

What is claimed is:

1. A brush head of a tooth brush comprising:
 - a housing;
 - a connection mechanism fixedly installed in the housing;
 - a bristle part detachably mounted to the connection mechanism; and
 - a button movably mounted to the housing by the connection mechanism, capably to be pushed toward the bristle part to dismantle the bristle part from the connection mechanism.
2. The tooth brush of claim 1, wherein the housing includes a recess with a through hole formed therein, and the connection mechanism includes a clicking ring and a connection bolt putting in the through hole from one side of the housing for the clicking ring putting on the connecting bolt from the other side of the housing to complete the installation of the connection mechanism in the housing.
3. The tooth brush of claim 2, wherein the bristle part includes at least one column to clip on the clicking ring.
4. The tooth brush of claim 3, wherein the clicking member has a round rail and the column of the bristle part has a protrusion to clutch in the round rail so that the bristle part is detachably mounted to the clicking member.
5. The tooth brush of claim 3, wherein the bristle part further includes a cavity to receive a foot section of the connection bolt when the bristle part is mounted to the clicking ring.
6. The tooth brush of claim 5, wherein the foot section is formed as a hexagon head to fit in the cavity with a corresponding hexagonal hole.

7. The tooth brush of claim 2, wherein the connection mechanism further includes a locking member to clamp on the connection bolt so that the clicking ring is sandwiched between the locking member and a bottom of the recess.

8. The tooth brush of claim 7, wherein the connection bolt has a slit formed adjacent a foot section thereof for the locking member securely clamping thereon.

9. The tooth brush of claim 2, wherein the connection mechanism further includes a supporting ring located on a body section of the connection bolt and between a bottom of the recess and a head section of the connection bolt.

10. The tooth brush of claim 9, wherein the head section is larger than the body section to securely position the supporting ring between the bottom of the recess and the head section of the connection bolt.

11. The tooth brush of claim 2, wherein the connection mechanism further includes a cover shield on the connection bolt.

12. The tooth brush of claim 11, further comprising a driving shaft connected to the cover to vibrate the bristle part via the connection bolt for teeth brushing.

13. The tooth brush of claim 11, wherein the connection mechanism further includes a spring located between the cover and the button.

14. The tooth brush of claim 13, wherein the button has a hook portion to mount in a slot formed in the recess so that when the button is pressed, the hook portion pushes the bristle part to be dismantled from connection mechanism.